

Abstract

Method for recirculating a partial exhaust gas flow to an internal combustion engine of a motor vehicle

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In the method, the partial flow is guided through a partial flow line (2) connected downstream of the exhaust gas outlet (1a) of the internal combustion engine (1), and is immediately thereafter supplied to the internal combustion engine (1) either via a first valve (3), a bypass line (5) which is connected directly downstream and a recirculation line (7). Alternatively, the partial exhaust gas flow can be supplied to the internal combustion engine via a second valve (4), a radiator (6) which is connected directly downstream and a recirculation line (7). The first valve (3) and the second valve (4) are opened or closed as a function of the exhaust gas conditions, this being monitored by a sensor (8). A device for carrying out the method is also a subject of the invention.

20 Fig.